

**Product Texts**

Base Polymer	Polyamide 6
Filler/Additive System	30 % mineral
Special Features	heat stabilised,easy release (demoulding),injection moulding grade
Market Segment	Automotive,Machinery,electrical and electronic,Furniture,building and construction,sport and leisure,packaging,Medical / Personal Care,Lighting,Information Technology
Application Area	exterior,exterior parts,electrical and electronic (E&E),electrical components,chassis, steering,filter systems,gardening tools,interior decoration / finishing,fuel systems,cooling system
Typical Applications	racking / shelving,airbag components,batteries,fixing elements,power drills,clips,roof box

**Mechanical properties**

dry / cond

Unit

Test Standard

**ISO Data**

<sup>[C]</sup> Tensile Modulus	<b>4600 / 1600</b>	MPa	ISO 527
<sup>[C]</sup> Stress at 50% strain	<b>* / 50</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>80 / *</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>13 / &gt;50</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>155 / N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>6 / 15</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

**Thermal properties**

dry / cond

Unit

Test Standard

**ISO Data**

<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>100 / *</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5 / *</b>	mm	-
Yellow Card available	<b>yes / *</b>	-	-

[C]: CAMPUS

**Other properties**

dry / cond

Unit

Test Standard

<sup>[C]</sup> Density	<b>1370 / -</b>	kg/m <sup>3</sup>	ISO 1183
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[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, Building Construction, IT / Business Machine, Electrical and Electronical, Medical, Packaging, Sports Equipment

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific, Near East/Africa

**Other text information****Injection molding**

Pre-Drying Conditions 80 °C in a dry air (desiccant) dryer for 2-12 h

Processing Injection Moulding melt temperature 270-290 °C  
mould temperature 80-100 °C

Storage dry, protected from light